Bruhath Bangalore Mahanagara Palike

Negotiated Financial Bid Comparative Statement

Tender Notification No.RRND/EE/Tend/13/2019-20, Date: 21.01.2020

Indet No: BBMP/2019-20/RD/WORK_INDENT40176

Name of Work: Comprehensive Development of Roads and drains in Ward No.17 Rajarajeshwarinagara Assembly Constituency under PACKAGE-2019-20 RRN-DIV-(03).

Sl No	Item Name	Unit	Estimate Quantity	As per Sanctioned Estimate Rate (PWD SR 2018-19 B'lore Circle.)		As per PWD SR 2018-19 and Issue Rate Dated: 04.01.2020		Rates quoted by H B RAJENDRA		Negotiated rates quoted by H B RAJENDRA	
				Estimate Rate	Total Amount in Rs	Estimate Rate	Total Amount in Rs	Rate	Total Amount in Rs	Rate	Total Amount in Rs
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)as per the direction of Engineer in charge	Sqm	14306.31	111.30	1592292.30	111.30	1592292.30	111.3	1592292.30	111.00	1588000.41
2	Excavation for road, drains and similar works Earthwork excavation by manual means in ordinary soil involving an average horizontal	Cum	5042.62	235.76	1188848.09	235.76	1188848.09	235.76	1188848.09	230.00	1159802.60
3	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and	Cum	81.54	4479.56	365263.32	4479.56	365263.32	4479.56	365263.32	4400.00	358776.00
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse	Cum	209.72	7070.20	1482762.34	7070.20	1482762.34	7070.2	1482762.34	7000.00	1468040.00
5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or	Tonne	28.08	72326.98	2030941.60	72326.98	2030941.60	72326.98	2030941.60	72000.00	2021760.00
6	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in	Sqm	95.40	4871.76	464765.90	4871.76	464765.90	4871.76	464765.90	4800.00	457920.00
7	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar	Sqm	6279.20	966.72	6070228.22	966.72	6070228.22	966.72	6070228.22	900.00	5651280.00
8	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely	Cum	14678.40	150.52	2209392.77	150.52	2209392.77	150.52	2209392.77	150.00	2201760.00
9	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal	Cum	506.72	5747.32	2912281.99	5747.32	2912281.99	5747.32	2912281.99	5650.00	2862968.00
10	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour curing, transportation, loading	Sqm	3017.49	2337.00	7051874.13	2337.00	7051874.13	2337.0	7051874.13	2250.00	6789352.50

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11	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete.- do -	Sqm	904.84	966.72	874726.92	966.72	874726.92	966.72	874726.92	960.00	868646.40
12	Providing two line dressing to granite stone slab / granite stone masonry as per	Sqm	904.84	1584.70	1433899.95	1584.70	1433899.95	1584.7	1433899.95	1550.00	1402502.00
13	Providing chamfering edges to stone slab 2.5 cms. Wide as per specifications. (only chamfered length shall be recorded) KBS	Sqm	4222.40	61.48	259593.15	61.48	259593.15	61.48	259593.15	60.00	253344.00
14	Providing and Fixing RCC Precast Cover Slab of 250 mm Thick for Drains in Cement Concrete M-20 using graded granite Jelly of 20	Sqm	180.98	5418.00	980549.64	5418.00	980549.64	5418.0	980549.64	5400.00	977292.00
15	Removing and resetting of kerb stones.as per the direction of Engineer in charge	Rmt	6110.85	104.94	641272.60	104.94	641272.60	104.94	641272.60	100.00	611085.00
16	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3	Sqm	6236.00	467.46	2915080.56	467.46	2915080.56	467.46	2915080.56	460.00	2868560.00
17	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with	Sqm	3566.80	84.80	302464.64	84.80	302464.64	84.8	302464.64	80.00	285344.00
18	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel	Sqm	43520.00	117.66	5120563.20	117.66	5120563.20	117.66	5120563.20	117.00	5091840.00
19	Providing and fixing self-supported, ribbed, high quality, high grade (D:350 MPA Yst Min), pre- painted Galvalume steel roof sheet,	Sqm	726.00	2554.60	1854639.60	2554.60	1854639.60	2554.6	1854639.60	2500.00	1815000.00
20	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to	Cum	629.62	344.50	216904.09	344.50	216904.09	344.5	216904.09	340.00	214070.80
21	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of	Cum	1649.80	1994.92	3291219.02	1994.92	3291219.02	1994.92	3291219.02	1990.00	3283102.00
22	Providing and filling sand in foundation to required depth for sub soil treatment including	Cum	303.67	2183.60	663093.81	2183.60	663093.81	2183.6	663093.81	2100.00	637707.00
23	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap /	Cum	1191.33	2001.28	2384184.90	2001.28	2384184.90	2001.28	2384184.90	2000.00	2382660.00
24	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including	Sqm	5180.00	29.68	153742.40	28.62	148251.60	29.68	153742.40	29.00	150220.00
25	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with	Sqm	35068.39	5.30	185862.47	5.30	185862.47	5.3	185862.47	5.00	175341.95
26	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating	Sqm	79255.80	12.72	1008133.78	12.72	1008133.78	12.72	1008133.78	12.00	951069.60
27	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade	Cum	2481.87	6858.20	17021160.83	6597.44	16373988.41	8589.5	21318022.37	7500.00	18614025.00
28	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler,	Cum	1785.31	7911.84	14125087.07	7590.66	13551681.20	9600.0	17138976.00	8500.00	15175135.00

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29	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of	Sqm	2701.12	454.74	1228307.31	454.74	1228307.31	454.74	1228307.31	450.00	1215504.00		
30	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of	Sqm	5702.67	1176.60	6709761.52	1176.60	6709761.52	1176.6	6709761.52	1100.00	6272937.00		
31	KSRB 14.13-4: Providing precast chequered mosaic tiles white colour for steps and flooring, 20mm thick, using marble chips of 7 to 10	Sqm	77.50	1312.28	101701.70	1312.28	101701.70	1312.28	101701.70	1300.00	100750.00		
32	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut	Sqm	37.44	3754.52	140569.23	3754.52	140569.23	3754.52	140569.23	3750.00	140400.00		
33	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in	Cum	37.50	993.90	37271.25	993.90	37271.25	993.9	37271.25	990.00	37125.00		
34	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers.	Cum	2119.00	84.42	178885.98	84.42	178885.98	84.42	178885.98	84.00	177996.00		
35	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse	Cum	251.15	3884.90	975692.64	3884.90	975692.64	3884.9	975692.64	3800.00	954370.00		
36	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse	Cum	349.40	5210.96	1820709.42	5210.96	1820709.42	6000.0	2096400.00	5263.00	1838892.20		
37	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of	Sqm	1528.05	72.08	110141.84	72.08	110141.84	72.08	110141.84	70.00	106963.50		
38	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water	Mtr	150.50	189.74	28555.87	189.74	28555.87	189.74	28555.87	185.00	27842.50		
39	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts,	Cum	3.95	264.38	1044.30	264.38	1044.30	264.38	1044.30	260.00	1027.00		
40	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches	Cum	68.38	397.94	27211.14	397.94	27211.14	397.94	27211.14	395.00	27010.10		
41	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded	Cum	10.95	5348.76	58568.92	5348.76	58568.92	5348.76	58568.92	5300.00	58035.00		
42	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in	Cum	23.31	4438.22	103454.91	4438.22	103454.91	4438.22	103454.91	4400.00	102564.00		
43	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle	Cum	24.86	5305.30	131889.76	5305.30	131889.76	5305.3	131889.76	5300.00	131758.00		
44	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking	Sqm	37.72	102.82	3878.37	102.82	3878.37	102.82	3878.37	100.00	3772.00		
45	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and	Cum	158.26	2263.10	358158.21	2263.10	358158.21	2263.10	358158.21	2100.00	332346.00		

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46	Providing and Injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under,	Sqm	128.70	109.18	14051.47	109.18	14051.47	109.18	14051.47	109.18	12370.96
47	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs. with 20mm and down size	Cum	3.60	6594.26	23739.34	6594.26	23739.34	6594.26	23739.34	100.00	2400.00
48	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs. with 20mm and down size	Cum	5.71	6749.02	38536.90	6749.02	38536.90	6749.02	38536.90	6500.00	37117.50
49	Providing and removing centering, shuttering, propping etc., and removal of form work for vertical surface such as walls at any	Sqm	33.40	310.58	10373.37	310.58	10373.37	310.58	10373.37	6740.00	225116.00
50	KSRB 4-6.2 : Providing and removing centering, shuttering, struting, propping etc., and removal of form work for suspended	Sqm	26.32	583.00	15344.56	583.00	15344.56	583.00	15344.56	300.00	7896.00
51	Providing and removing centering, shuttering, propping etc., breaks in floor including cost of all materials	Sqm	3.09	718.68	2220.72	718.68	2220.72	718.68	2220.72	715.00	2208.35
52	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or	Tonne	1.18	64243.42	75807.24	64243.42	75807.24	64243.42	75807.24	64000.00	75520.00
53	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not	Sqm	60.33	993.22	59920.96	993.22	59920.96	993.22	59920.96	990.00	59725.70
54	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever	Sqm	74.43	209.88	15621.37	209.88	15621.37	209.88	15621.37	200.00	14886.00
55	Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever	Sqm	53.19	197.16	10486.94	197.16	10486.94	197.16	10486.94	190.00	10106.10
56	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever	Sqm	19.80	188.68	3735.86	188.68	3735.86	188.68	3735.86	180.00	3564.00
57	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour,	Sqm	72.99	26.50	1934.24	26.50	1934.24	26.5	1934.24	26.00	1897.74
58	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming	Sqm	72.99	75.26	5493.23	75.26	5493.23	75.26	5493.23	75.00	5474.25
59	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even	Sqm	74.43	89.04	6627.25	89.04	6627.25	89.04	6627.25	88.00	6549.84
60	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green	Sqm	23.76	4226.22	100414.99	4226.22	100414.99	4226.22	100414.99	4200.00	99792.00

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61	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track	Sqm	0.72	4431.86	3190.94	4431.86	3190.94	4431.86	3190.94	4400.00	3168.00		
62	Providing and fixing M.S.Grill work for windows and ventilators weighing 21kg/sqm using M.S.Flats, or M.S.Squared rods, or	Sqm	28.80	82.68	2381.18	82.68	2381.18	82.68	2381.18	80.00	2304.00		
63	Providing and Applying enamel metal Paint two coats (excluding priming coat) over new steel or other metal surface brushing to give	Sqm	1.44	86.92	125.16	86.92	125.16	86.92	125.16	85.00	122.40		
64	For roof slab & terraces Providing & applying water proofing to roof slab, terraces, landscape area, podium etc., using modified	Sqm	26.32	742.00	19529.44	742.00	19529.44	742.0	19529.44	740.00	19476.80		
65	Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and	Sqm	7.14	2471.92	17649.51	2471.92	17649.51	2471.92	17649.51	2450.00	17493.00		
66	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. Placing tipper at loading point, loading with	Cum	36.16	106.00	3832.96	106.00	3832.96	106.0	3832.96	106.00	3832.96		
67	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3	nos	830.00	467.46	387991.80	467.46	387991.80	467.46	387991.80	450.00	373500.00		
68	Painting two coats after filling the surface with synthetic enamel paint in approved shades on	Sqm	149.32	84.80	12662.34	84.80	12662.34	84.80	12662.34	84.00	12542.88		
69	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement	Sqm	1003.51	1176.60	1180729.87	1176.60	1180729.87	1176.60	1180729.87	1162.00	1166078.62		
70	Providing precast chequered mosaic tiles white colour for steps and flooring, 20mm thick, using marble chips of 7 to 10 nominal size laid	Sqm	332.00	1312.28	435676.96	1312.28	435676.96	1312.28	435676.96	1300.00	431600.00		
71	Fabricating, supplying & erecting M.S. Angular Truss for all spans as per approved designs	Sqm	7491.31	135.68	1016420.94	135.68	1016420.94	135.68	1016420.94	130.00	973870.30		
72	Supplying and fixing new Mangalore tiles on existing reepers as per the direction of Engineer in charge	Sqm	113.50	426.12	48364.62	426.12	48364.62	426.12	48364.62	425.00	48237.50		
73	Supplying and fixing polished grey granite slab benches of size 5 feet width of seating slab with bottom slab of 75mm th. with 1.5 feet	Sqm	18.00	10500.00	189000.00	10500.00	189000.00	10500.00	189000.00	10500.00	189000.00		
74	for Pargola as per the direction of Engineer in charge	Sqm	2.00	160000.00	320000.00	160000.00	320000.00	160000.00	320000.00	159995.00	319990.00		
	Total Summary Amount				**94838495.82**		**93612426.73**		**102424936.86**		**95786881.00**		
	% when compared to PWD SR 2018-19 (Sanctioned Estimate Rates)								**8.00**		**1.00**		

Executive Engineer
Rajarajeshwari nagar Division
BBMP

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Negotiated Financial Bid Comparative Statement

Tender Notification No.RRND/EE/Tend/13/2019-20, Date: 21.01.2020

Indet No: BBMP/2019-20/RD/WORK_INDENT40176

Name of Work: Comprehensive Development of Roads and drains in Ward No.17 Rajarajeshwarinagara Assembly Constituency under PACKAGE- 2019-20 RRN-DIV-(03).

Sl No	Item Name	Unit	Estimate Quantity	As per Sanctioned Estimate Rate (PWD SR 2018-19 . B'lore Circle.)		As per PWD SR 2018-19 and Issue Rate Dated: 04.01.2020		Rates quoted by H B RAJENDRA		Negotiated rates quoted by H B RAJENDRA	
				Estimate Rate	Total Amount in Rs	Estimate Rate	Total Amount in Rs	Rate	Total Amount in Rs	Rate	Total Amount in Rs
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)as per the direction of Engineer in charge	Sqm	14306.31	111.30	1592292.30	111.30	1592292.30	111.3	1592292.30	111.00	1588000.41
2	Excavation for road, drains and similar works Earthwork excavation by manual means in ordinary soil involving an average horizontal	Cum	5042.62	235.76	1188848.09	235.76	1188848.09	235.76	1188848.09	235.00	1185015.70
3	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and	Cum	81.54	4479.56	365263.32	4479.56	365263.32	4479.56	365263.32	4479.00	365217.66
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse	Cum	209.72	7070.20	1482762.34	7070.20	1482762.34	7070.2	1482762.34	7070.00	1482720.40
5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or	Tonne	28.08	72326.98	2030941.60	72326.98	2030941.60	72326.98	2030941.60	72000.00	2021760.00
6	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in	Sqm	95.40	4871.76	464765.90	4871.76	464765.90	4871.76	464765.90	4870.00	464598.00
7	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar	Sqm	6279.20	966.72	6070228.22	966.72	6070228.22	966.72	6070228.22	966.00	6065707.20
8	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely	Cum	14678.40	150.52	2209392.77	150.52	2209392.77	150.52	2209392.77	150.00	2201760.00
9	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal	Cum	506.72	5747.32	2912281.99	5747.32	2912281.99	5747.32	2912281.99	5747.00	2912119.84
10	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc. complete as per the	Sqm	3017.49	2337.00	7051874.13	2337.00	7051874.13	2337.0	7051874.13	2337.00	7051874.13

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11	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete.- do -	Sqm	904.84	966.72	874726.92	966.72	874726.92	966.72	874726.92	966.00	874075.44		
12	Providing two line dressing to granite stone slab / granite stone masonry as per	Sqm	904.84	1584.70	1433899.95	1584.70	1433899.95	1584.7	1433899.95	1584.00	1433266.56		
13	Providing chamfering edges to stone slab 2.5 cms. Wide as per specifications. (only chamfered length shall be recorded) KBS	Sqm	4222.40	61.48	259593.15	61.48	259593.15	61.48	259593.15	61.00	257566.40		
14	Providing and Fixing RCC Precast Cover Slab of 250 mm Thick for Drains in Cement Concrete M-20 using graded granite Jelly of 20	Sqm	180.98	5418.00	980549.64	5418.00	980549.64	5418.0	980549.64	5418.00	980549.64		
15	Removing and resetting of kerb stones.as per the direction of Engineer in charge	Rmt	6110.85	104.94	641272.60	104.94	641272.60	104.94	641272.60	104.00	635528.40		
16	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3	Sqm	6236.00	467.46	2915080.56	467.46	2915080.56	467.46	2915080.56	467.00	2912212.00		
17	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with	Sqm	3566.80	84.80	302464.64	84.80	302464.64	84.8	302464.64	84.00	299611.20		
18	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel	Sqm	43520.00	117.66	5120563.20	117.66	5120563.20	117.66	5120563.20	115.00	5004800.00		
19	Providing and fixing self-supported, ribbed, high quality, high grade (D:350 MPA Yst Min), pre- painted Galvalume steel roof sheet,	Sqm	726.00	2554.60	1854639.60	2554.60	1854639.60	2554.6	1854639.60	2554.00	1854204.00		
20	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to	Cum	629.62	344.50	216904.09	344.50	216904.09	344.5	216904.09	344.00	216589.28		
21	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of	Cum	1649.80	1994.92	3291219.02	1994.92	3291219.02	1994.92	3291219.02	1994.00	3289701.20		
22	Providing and filling sand in foundation to required depth for sub soil treatment including	Cum	303.67	2183.60	663093.81	2183.60	663093.81	2183.6	663093.81	2183.00	662911.61		
23	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap /	Cum	1191.33	2001.28	2384184.90	2001.28	2384184.90	2001.28	2384184.90	2001.00	2383851.33		
24	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including	Sqm	5180.00	29.68	153742.40	28.62	148251.60	29.68	153742.40	29.00	150220.00		
25	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with	Sqm	35068.39	5.30	185862.47	5.30	185862.47	5.3	185862.47	5.00	175341.95		
26	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating	Sqm	79255.80	12.72	1008133.78	12.72	1008133.78	12.72	1008133.78	12.00	951069.60		
27	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade	Cum	2481.87	6858.20	17021160.83	6597.44	16373988.41	8589.5	21318022.37	8000.00	19854960.00		
28	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler,	Cum	1785.31	7911.84	14125087.07	7590.66	13551681.20	9600.0	17138976.00	9000.00	16067790.00		

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29	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of	Sqm	2701.12	454.74	1228307.31	454.74	1228307.31	454.74	1228307.31	454.00	1226308.48
30	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of	Sqm	5702.67	1176.60	6709761.52	1176.60	6709761.52	1176.6	6709761.52	1176.00	6706339.92
31	KSRB 14.13-4: Providing precast chequered mosaic tiles white colour for steps and flooring, 20mm thick, using marble chips of 7 to 10	Sqm	77.50	1312.28	101701.70	1312.28	101701.70	1312.28	101701.70	1310.00	101525.00
32	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut	Sqm	37.44	3754.52	140569.23	3754.52	140569.23	3754.52	140569.23	3754.00	140549.76
33	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in	Cum	37.50	993.90	37271.25	993.90	37271.25	993.9	37271.25	993.00	37237.50
34	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers,	Cum	2119.00	84.42	178885.98	84.42	178885.98	84.42	178885.98	84.00	177996.00
35	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse	Cum	251.15	3884.90	975692.64	3884.90	975692.64	3884.9	975692.64	3884.00	975466.60
36	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse	Cum	349.40	5210.96	1820709.42	5210.96	1820709.42	6000.0	2096400.00	5900.00	2061460.00
37	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of	Sqm	1528.05	72.08	110141.84	72.08	110141.84	72.08	110141.84	72.00	110019.60
38	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water	Mtr	150.50	189.74	28555.87	189.74	28555.87	189.74	28555.87	189.00	28444.50
39	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts,	Cum	3.95	264.38	1044.30	264.38	1044.30	264.38	1044.30	264.00	1042.80
40	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches	Cum	68.38	397.94	27211.14	397.94	27211.14	397.94	27211.14	397.00	27146.86
41	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded	Cum	10.95	5348.76	58568.92	5348.76	58568.92	5348.76	58568.92	5348.00	58560.60
42	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in	Cum	23.31	4438.22	103454.91	4438.22	103454.91	4438.22	103454.91	4438.00	103449.78
43	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle	Cum	24.86	5305.30	131889.76	5305.30	131889.76	5305.3	131889.76	5305.00	131882.30
44	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking	Sqm	37.72	102.82	3878.37	102.82	3878.37	102.82	3878.37	102.00	3847.44

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45	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and	Cum	158.26	2263.10	358158.21	2263.10	358158.21	2263.10	358158.21	2263.00	358142.38
46	Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under	Sqm	128.70	109.18	14051.47	109.18	14051.47	109.18	14051.47	109.00	14028.30
47	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size	Cum	3.60	6594.26	23739.34	6594.26	23739.34	6594.26	23739.34	6594.00	23738.40
48	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size	Cum	5.71	6749.02	38536.90	6749.02	38536.90	6749.02	38536.90	6749.00	38536.79
49	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any	Sqm	33.40	310.58	10373.37	310.58	10373.37	310.58	10373.37	310.00	10354.00
50	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended	Sqm	26.32	583.00	15344.56	583.00	15344.56	583.00	15344.56	583.00	15344.56
51	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials,	Sqm	3.09	718.68	2220.72	718.68	2220.72	718.68	2220.72	718.00	2218.62
52	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or	Tonne	1.18	64243.42	75807.24	64243.42	75807.24	64243.42	75807.24	64243.00	75806.74
53	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not	Sqm	60.33	993.22	59920.96	993.22	59920.96	993.22	59920.96	993.00	59907.69
54	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever	Sqm	74.43	209.88	15621.37	209.88	15621.37	209.88	15621.37	209.00	15555.87
55	Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever	Sqm	53.19	197.16	10486.94	197.16	10486.94	197.16	10486.94	197.00	10478.43
56	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever	Sqm	19.80	188.68	3735.86	188.68	3735.86	188.68	3735.86	188.00	3722.40
57	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour,	Sqm	72.99	26.50	1934.24	26.50	1934.24	26.5	1934.24	26.00	1897.74
58	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming	Sqm	72.99	75.26	5493.23	75.26	5493.23	75.26	5493.23	75.00	5474.25
59	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even	Sqm	74.43	89.04	6627.25	89.04	6627.25	89.04	6627.25	89.00	6624.27
60	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green	Sqm	23.76	4226.22	100414.99	4226.22	100414.99	4226.22	100414.99	4226.00	100409.76

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61	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track	Sqm	0.72	4431.86	3190.94	4431.86	3190.94	4431.86	3190.94	4431.00	3190.32
62	Providing and fixing M.S.Grill work for windows and ventilators weighing 21kg/sqm using M.S.Flats, or M.S.Squared rods, or	Sqm	28.80	82.68	2381.18	82.68	2381.18	82.68	2381.18	82.00	2361.60
63	Providing and Applying enamel metal Paint two coats (excluding priming coat) over new steel or other metal surface brushing to give	Sqm	1.44	86.92	125.16	86.92	125.16	86.92	125.16	86.00	123.84
64	For roof slab & terraces Providing & applying water proofing to roof slab, terraces, landscape area, podium etc., using modified	Sqm	26.32	742.00	19529.44	742.00	19529.44	742.0	19529.44	742.00	19529.44
65	Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and	Sqm	7.14	2471.92	17649.51	2471.92	17649.51	2471.92	17649.51	2471.00	17642.94
66	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. Placing tipper at loading point, loading with	Cum	36.16	106.00	3832.96	106.00	3832.96	106.0	3832.96	106.00	3832.96
67	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3	nos	830.00	467.46	387991.80	467.46	387991.80	467.46	387991.80	460.00	381800.00
68	Painting two coats after filling the surface with synthetic enamel paint in approved shades on	Sqm	149.32	84.80	12662.34	84.80	12662.34	84.80	12662.34	84.00	12542.88
69	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement	Sqm	1003.51	1176.60	1180729.87	1176.60	1180729.87	1176.60	1180729.87	1176.00	1180127.76
70	Providing precast chequered mosaic tiles white colour for steps and flooring, 20mm thick, using marble chips of 7 to 10 nominal size laid	Sqm	332.00	1312.28	435676.96	1312.28	435676.96	1312.28	435676.96	1302.00	432264.00
71	Fabricating, supplying & erecting M.S. Angular Truss for all spans as per approved designs	Sqm	7491.31	135.68	1016420.94	135.68	1016420.94	135.68	1016420.94	135.00	1011326.85
72	Supplying and fixing new Mangalore tiles on existing reepers as per the direction of Engineer in charge	Sqm	113.50	426.12	48364.62	426.12	48364.62	426.12	48364.62	426.00	48351.00
73	Supplying and fixing polished grey granite slab benches of size 5 feet width of seating slab with bottom slab of 75mm th. with 1.5 feet	Sqm	18.00	10500.00	189000.00	10500.00	189000.00	10500.00	189000.00	10000.00	180000.00
74	for Pargola as per the direction of Engineer in charge	Sqm	2.00	160000.00	320000.00	160000.00	320000.00	160000.00	320000.00	150000.00	300000.00
	Total Summary Amount				**94838495.82**		**93612426.73**		**102424936.86**		**99569632.88**
	% when compared to PWD SR 2018-19 (Sanctioned Estimate Rates)								**8.00**		**4.99**
	% when compared to PWD SR 2018-19 and Issue rates dated 04.01.2020								**9.41**		**6.36**
	Remarks								**L1**		**L2**

Executive Engineer
Rajarajeshwari nagar Division
BBMP

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Bruhath Bangalore Mahanagara Palike

Financial Bid Comparative Statement

Tender Notification No.RRND/EE/Tend/13/2019-20, Date: 21.01.2020

Indet No: BBMP/2019-20/RD/WORK_INDENT40176

Name of Work: Comprehensive Development of Roads and drains in Ward No.17 Rajarajeshwarinagara Assembly Constituency under PACKAGE- 2019-20 RRN-DIV-(03).

Sl No	Item Name	Unit	Estimate Quantity	As per Sanctioned Estimate Rate (PWD SR 2018-19 B'lore Circle.)		As per PWD SR 2018-19 and Issue Rate Dated: 04.01.2020		Rates quoted by H B RAJENDRA		Rates quoted by R LOKESH (RAMAIAH LOKESH)	
				Estimate Rate	Total Amount in Rs	Estimate Rate	Total Amount in Rs	Rate	Total Amount in Rs	Rate	Total Amount in Rs
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)as per the direction of Engineer in charge	Sqm	14306.31	111.30	1592292.30	111.30	1592292.30	111.3	1592292.30	123.00	1759676.13
2	Excavation for road, drains and similar works Earthwork excavation by manual means in ordinary soil involving an average horizontal	Cum	5042.62	235.76	1188848.09	235.76	1188848.09	235.76	1188848.09	261.00	1316123.82
3	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and	Cum	81.54	4479.56	365263.32	4479.56	365263.32	4479.56	365263.32	4972.00	405416.88
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm	Cum	209.72	7070.20	1482762.34	7070.20	1482762.34	7070.2	1482762.34	7847.00	1645672.84
5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or	Tonne	28.08	72326.98	2030941.60	72326.98	2030941.60	72326.98	2030941.60	80282.0	2254318.56
6	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in	Sqm	95.40	4871.76	464765.90	4871.76	464765.90	4871.76	464765.90	5407.0	515827.80
7	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar	Sqm	6279.20	966.72	6070228.22	966.72	6070228.22	966.72	6070228.22	1073.0	6737581.60
8	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely	Cum	14678.40	150.52	2209392.77	150.52	2209392.77	150.52	2209392.77	167.0	2451292.80
9	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal	Cum	506.72	5747.32	2912281.99	5747.32	2912281.99	5747.32	2912281.99	6379.0	3232366.88
10	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation,	Sqm	3017.49	2337.00	7051874.13	2337.00	7051874.13	2337.0	7051874.13	2594.00	7827369.06
11	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete.- do	Sqm	904.84	966.72	874726.92	966.72	874726.92	966.72	874726.92	1073.00	970893.32
12	Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13 as per the direction	Sqm	904.84	1584.70	1433899.95	1584.70	1433899.95	1584.7	1433899.95	1759.00	1591613.56

...ruled pointing to coursed stone masonry with cement mortar, 20mm ... as per the direction of raking joints to depth of 20mm nicely lining, including cost of ... complete as per specifications.- do ... charge

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13	Providing chamfering edges to stone slab 2.5 cms. Wide as per specifications. (only chamfered length shall be recorded) KBS	Sqm	4222.40	61.48	259593.15	61.48	259593.15	61.48	259593.15	68.00	287123.20		
14	Providing and Fixing RCC Precast Cover Slab of 250 mm Thick for Drains in Cement Concrete M-20 using graded granite Jelly of 20	Sqm	180.98	5418.00	980549.64	5418.00	980549.64	5418.0	980549.64	6013.00	1088232.74		
15	Removing and resetting of kerb stones.as per the direction of Engineer in charge	Rmt	6110.85	104.94	641272.60	104.94	641272.60	104.94	641272.60	116.00	708858.60		
16	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3	Sqm	6236.00	467.46	2915080.56	467.46	2915080.56	467.46	2915080.56	518.00	3230248.00		
17	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with	Sqm	3566.80	84.80	302464.64	84.80	302464.64	84.8	302464.64	94.00	335279.20		
18	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel	Sqm	43520.00	117.66	5120563.20	117.66	5120563.20	117.66	5120563.20	130.00	5657600.00		
19	Providing and fixing self-supported, ribbed, high quality, high grade (D:350 MPA Yst Min), pre- painted Galvalume steel roof sheet,	Sqm	726.00	2554.60	1854639.60	2554.60	1854639.60	2554.6	1854639.60	2835.00	2058210.00		
20	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to	Cum	629.62	344.50	216904.09	344.50	216904.09	344.5	216904.09	382.00	240514.84		
21	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of	Cum	1649.80	1994.92	3291219.02	1994.92	3291219.02	1994.92	3291219.02	2214.0	3652657.20		
22	Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift	Cum	303.67	2183.60	663093.81	2183.60	663093.81	2183.6	663093.81	2423.00	735792.41		
23	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications	Cum	1191.33	2001.28	2384184.90	2001.28	2384184.90	2001.28	2384184.90	2221.00	2645943.93		
24	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including	Sqm	5180.00	29.68	153742.40	28.62	148251.60	29.68	153742.40	33.00	170940.00		
25	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to	Sqm	35068.39	5.30	185862.47	5.30	185862.47	5.3	185862.47	6.00	210410.34		
26	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating	Sqm	79255.80	12.72	1008133.78	12.72	1008133.78	12.72	1008133.78	14.00	1109581.20		
27	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade	Cum	2481.87	6858.20	17021160.83	6597.44	16373988.41	8599.5	21318022.37	7612.00	18891994.44		
28	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler,	Cum	1785.31	7911.84	14125087.07	7590.66	13551681.20	9630.0	17138976.00	8782.0	15678592.42		
29	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of	Sqm	2701.12	454.74	1228307.31	454.74	1228307.31	454.74	1228307.31	504.0	1361364.48		
30	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of	Sqm	5702.67	1176.60	6709761.52	1176.60	6709761.52	1176.6	6709761.52	1306.00	7447687.02		

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31	KSRB 14.13-4: Providing precast chequered mosaic tiles white colour for steps and flooring, 20mm thick, using marble chips of 7 to 10	Sqm	77.50	1312.28	101701.70	1312.28	101701.70	1312.28	101701.70	1456.00	112840.00
32	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut	Sqm	37.44	3754.52	140569.23	3754.52	140569.23	3754.52	140569.23	4167.00	156012.48
33	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in	Cum	37.50	993.90	37271.25	993.90	37271.25	993.9	37271.25	1103.00	41362.50
34	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers,	Cum	2119.00	84.42	178885.98	84.42	178885.98	84.42	178885.98	93.00	197067.00
35	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse	Cum	251.15	3884.90	975692.64	3884.90	975692.64	3884.9	975692.64	4312.00	1082958.80
36	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete	Cum	349.40	5210.96	1820709.42	5210.96	1820709.42	6000.0	2096400.00	5784.00	2020929.60
37	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of	Sqm	1528.05	72.08	110141.84	72.08	110141.84	72.08	110141.84	80.00	122244.00
38	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water	Mtr	150.50	189.74	28555.87	189.74	28555.87	189.74	28555.87	210.00	31605.00
39	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts,	Cum	3.95	264.38	1044.30	264.38	1044.30	264.38	1044.30	293.00	1157.35
40	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches	Cum	68.38	397.94	27211.14	397.94	27211.14	397.94	27211.14	441.00	30155.58
41	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded	Cum	10.95	5348.76	58568.92	5348.76	58568.92	5348.76	58568.92	5937.00	65010.15
42	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in	Cum	23.31	4438.22	103454.91	4438.22	103454.91	4438.22	103454.91	4926.00	114825.06
43	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle	Cum	24.86	5305.30	131889.76	5305.30	131889.76	5305.3	131889.76	5888.00	146375.68
44	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking	Sqm	37.72	102.82	3878.37	102.82	3878.37	102.82	3878.37	114.00	4300.08
45	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment	Cum	158.26	2263.10	358158.21	2263.10	358158.21	2263.10	358158.21	2512.00	397549.12
46	Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under	Sqm	128.70	109.18	14051.47	109.18	14051.47	109.18	14051.47	121.00	15572.70
47	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size	Cum	3.60	6594.26	23739.34	6594.26	23739.34	6594.26	23739.34	7319.00	26348.40
48	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates	Cum	5.71	6749.02	38536.90	6749.02	38536.90	6749.02	38536.90	7491.00	42773.61

8 Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM curing charge complete as per specifications.– do – cement mortar 1:3as per the direction of 8

9 Providing and laying in position plain cement 20mm and down size graded aggregates @ 0.53

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49	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any	Sqm	33.40	310.58	10373.37	310.58	10373.37	310.58	10373.37	344.00	11489.60
50	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended	Sqm	26.32	583.00	15344.56	583.00	15344.56	583.00	15344.56	647.00	17029.04
51	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials,	Sqm	3.09	718.68	2220.72	718.68	2220.72	718.68	2220.72	797.00	2462.73
52	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or	Tonne	1.18	64243.42	75807.24	64243.42	75807.24	64243.42	75807.24	71310.00	84145.80
53	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not	Sqm	60.33	993.22	59920.96	993.22	59920.96	993.22	59920.96	1102.00	66483.66
54	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever	Sqm	74.43	209.88	15621.37	209.88	15621.37	209.88	15621.37	232.00	17267.76
55	Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever	Sqm	53.19	197.16	10486.94	197.16	10486.94	197.16	10486.94	218.00	11595.42
56	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever	Sqm	19.80	188.68	3735.86	188.68	3735.86	188.68	3735.86	209.00	4138.20
57	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. as per	Sqm	72.99	26.50	1934.24	26.50	1934.24	26.5	1934.24	29.00	2116.71
58	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming	Sqm	72.99	75.26	5493.23	75.26	5493.23	75.26	5493.23	83.00	6058.17
59	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to	Sqm	74.43	89.04	6627.25	89.04	6627.25	89.04	6627.25	98.00	7294.14
60	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green	Sqm	23.76	4226.22	100414.99	4226.22	100414.99	4226.22	100414.99	4691.00	111458.16
61	Providing and fixing in position aluminium windows and ventilators as per approved	Sqm	0.72	4431.86	3190.94	4431.86	3190.94	4431.86	3190.94	4919.00	3541.68
62	Providing and fixing M.S.Grill work for windows and ventilators weighing 21kg/sqm using M.S.Flats, or M.S.Squared rods, or	Sqm	28.80	82.68	2381.18	82.68	2381.18	82.68	2381.18	91.00	2620.80
63	Providing and Applying enamel metal Paint two coats (excluding priming coat) over new steel or other metal surface brushing to give	Sqm	1.44	86.92	125.16	86.92	125.16	86.92	125.16	96.0	138.24
64	For roof slab & terraces Providing & applying water proofing to roof slab, terraces, landscape area, podium etc., using modified	Sqm	26.32	742.00	19529.44	742.00	19529.44	742.0	19529.44	823.00	21661.36
65	Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick	Sqm	7.14	2471.92	17649.51	2471.92	17649.51	2471.92	17649.51	2743.00	19585.02
66	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. Placing tipper at loading point, loading with	Cum	36.16	106.00	3832.96	106.00	3832.96	106.0	3832.96	117.00	4230.72

Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM complete as per specifications.– do – cement mortar 1:3as per the direction of charge

Providing and laying in position plain cement 20mm and down size graded aggregates @

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67	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3	nos	830.00	467.46	387991.80	467.46	387991.80	467.46	387991.80	518.0	429940.00
68	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with	Sqm	149.32	84.80	12662.34	84.80	12662.34	84.80	12662.34	94.0	14036.08
69	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of	Sqm	1003.51	1176.60	1180729.87	1176.60	1180729.87	1176.60	1180729.87	1306.00	1310584.06
70	Providing precast chequered mosaic tiles white colour for steps and flooring, 20mm thick, using marble chips of 7 to 10 nominal size laid	Sqm	332.00	1312.28	435676.96	1312.28	435676.96	1312.28	435676.96	1456.00	483392.00
71	Fabricating, supplying & erecting M.S. Angular Truss for all spans as per approved designs and drawing. The entire truss is anchored	Sqm	7491.31	135.68	1016420.94	135.68	1016420.94	135.68	1016420.94	150.00	1123696.50
72	Supplying and fixing new Mangalore tiles on existing reepers as per the direction of Engineer in charge	Sqm	113.50	426.12	48364.62	426.12	48364.62	426.12	48364.62	472.00	53572.00
73	Supplying and fixing polished grey granite slab benches of size 5 feet width of seating slab with bottom slab of 75mm th. with 1.5 feet	Sqm	18.00	10500.00	189000.00	10500.00	189000.00	10500.00	189000.00	11655.00	209790.00
74	for Pargola as per the direction of Engineer in charge	Sqm	2.00	160000.00	320000.00	160000.00	320000.00	160000.00	320000.00	177600.00	355200.00
	Total Summary Amount				**94838495.82**		**93612426.73**		**102424936.86**		**105201798.23**
	% when compared to PWD SR 2018-19 (Sanctioned Estimate Rates)								**8.00**		**10.93**
	% when compared to PWD SR 2018-19 and Issue rates dated 04.01.2020								**9.41**		**12.38**
	Remarks								**L1**		**L2**

Executive Engineer
Rajarajeshwari nagar Division
BBMP

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